

## SEQUENCE LISTING

<110> Skeie, Geir Olve

<120> Detection of Ryanodione Receptor Antibodies

<130> PCT/NO00/00200

<140> US 10/009,013

<141> 2000-06-08

<160> 2

<170> PatentIn version 3.3

<210> 1

<211> 374

<212> PRT

<213> Protein for the detection of ryanodione receptor antibodies

<400> 1

Glu	Phe	Lys	Phe	Leu	Pro	Pro	Pro	Gly	Tyr	Ala	Pro	Cys	His	Glu	Ala
1				5					10					15	

Val	Leu	Pro	Arg	Glu	Arg	Leu	Arg	Leu	Glu	Pro	Ile	Lys	Glu	Tyr	Arg
			20					25					30		

Arg	Glu	Gly	Pro	Arg	Gly	Pro	His	Leu	Val	Gly	Pro	Ser	Arg	Cys	Leu
		35					40					45			

Ser	His	Thr	Asp	Phe	Val	Pro	Cys	Pro	Val	Asp	Thr	Val	Gln	Ile	Val
	50						55				60				

Leu	Pro	Pro	His	Leu	Glu	Arg	Ile	Arg	Glu	Lys	Leu	Ala	Glu	Asn	Ile
65					70					75				80	

His	Glu	Leu	Trp	Ala	Leu	Thr	Arg	Ile	Glu	Gln	Gly	Trp	Thr	Tyr	Gly
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

85

90

95

Pro Val Arg Asp Asp Asn Lys Arg Leu His Pro Cys Leu Val Asn Phe  
                   100                                  105                                  110

His Ser Leu Pro Glu Pro Glu Arg Asn Tyr Asn Leu Gln Met Ser Gly  
                   115                                  120                                  125

Glu Thr Leu Lys Thr Leu Leu Ala Leu Gly Cys His Val Gly Met Ala  
                   130                                  135                                  140

Asp Glu Lys Ala Glu Asp Asn Leu Lys Lys Thr Lys Leu Pro Lys Thr  
                   145                                  150                                  155                                  160

Tyr Met Met Ser Asn Gly Tyr Lys Pro Ala Pro Leu Asp Leu Ser His  
                                   165                                  170                                  175

Val Arg Leu Thr Pro Ala Gln Thr Thr Leu Val Asp Arg Leu Ala Glu  
                   180                                  185                                  190

Asn Gly His Asn Val Trp Ala Arg Asp Arg Val Ala Gln Gly Trp Ser  
                   195                                  200                                  205

Tyr Ser Ala Val Gln Asp Ile Pro Ala Arg Arg Asn Pro Arg Leu Val  
                   210                                  215                                  220

Pro Tyr Arg Leu Leu Asp Glu Ala Thr Lys Arg Ser Asn Arg Asp Ser  
                   225                                  230                                  235                                  240

Leu Cys Gln Ala Val Arg Thr Leu Leu Gly Tyr Gly Tyr Asn Ile Glu  
                                   245                                  250                                  255

Pro Pro Asp Gln Glu Pro Ser Gln Val Glu Asn Gln Ser Arg Trp Asp  
                   260                                  265                                  270

Arg Val Arg Ile Phe Arg Ala Glu Lys Ser Tyr Thr Val Gln Ser Gly  
                   275                                  280                                  285

Arg Trp Tyr Phe Glu Phe Glu Ala Val Thr Thr Gly Glu Met Arg Val  
                   290                                  295                                  300

Gly Trp Ala Arg Pro Glu Leu Arg Pro Asp Val Glu Leu Gly Ala Asp  
                   305                                  310                                  315                                  320

Glu Leu Ala Tyr Val Phe Asn Gly His Arg Gly Gln Arg Trp His Leu  
                                   325                                  330                                  335

Gly Ser Glu Pro Phe Gly Arg Pro Trp Gln Ser Gly Asp Val Val Gly  
                   340                                  345                                  350

Cys Met Ile Asp Leu Thr Glu Asn Thr Ile Ile Phe Thr Leu Asn Gly  
                   355                                  360                                  365

Glu Val Leu Met Ser Asp  
                   370

<210> 2

<211> 348

<212> PRT

<213> Protein for the detection of ryanodione receptor antibodies

<400> 2

Arg Gly Arg Ser Leu Thr Lys Ala Gln Arg Asp Val Ile Glu Asp Cys  
   1                                  5                                  10                                  15

Leu Met Ala Leu Cys Arg Tyr Ile Arg Pro Ser Met Leu Gln His Leu  
 20 25 30

Leu Arg Arg Leu Val Phe Asp Val Pro Ile Leu Asn Glu Phe Ala Lys  
 35 40 45

Met Pro Leu Lys Leu Leu Thr Asn His Tyr Glu Arg Cys Trp Lys Tyr  
 50 55 60

Tyr Cys Leu Pro Thr Gly Trp Ala Asn Phe Gly Val Thr Ser Glu Glu  
 65 70 75 80

Glu Leu His Leu Thr Arg Lys Leu Phe Trp Gly Ile Phe Asp Ser Leu  
 85 90 95

Ala His Lys Lys Tyr Asp Gln Glu Leu Tyr Arg Met Ala Met Pro Cys  
 100 105 110

Leu Cys Ala Ile Ala Gly Ala Leu Pro Pro Asp Tyr Val Asp Ala Ser  
 115 120 125

Tyr Ser Ser Lys Ala Glu Lys Lys Ala Thr Val Asp Ala Glu Gly Asn  
 130 135 140

Phe Asp Pro Arg Pro Val Glu Thr Leu Asn Val Ile Ile Pro Glu Lys  
 145 150 155 160

Leu Asp Ser Phe Ile Asn Lys Phe Ala Glu Tyr Thr His Glu Lys Trp  
 165 170 175

Ala Phe Asp Lys Ile Gln Asn Asn Trp Ser Tyr Gly Glu Asn Val Asp  
 180 185 190

Glu Glu Leu Lys Thr His Pro Met Leu Arg Pro Tyr Lys Thr Phe Ser  
 195 200 205

Glu Lys Asp Lys Glu Ile Tyr Arg Trp Pro Ile Lys Glu Ser Leu Lys  
 210 215 220

Ala Met Ile Ala Trp Glu Trp Thr Ile Glu Lys Ala Arg Glu Gly Glu  
 225 230 235 240

Glu Glu Arg Thr Glu Lys Lys Lys Thr Arg Lys Ile Ser Gln Thr Ala  
 245 250 255

Gln Thr Tyr Asp Pro Arg Glu Gly Tyr Asn Pro Gln Pro Pro Asp Leu  
 260 265 270

Ser Gly Val Thr Leu Ser Arg Glu Leu Gln Ala Met Ala Glu Gln Leu  
 275 280 285

Ala Glu Asn Tyr His Asn Thr Trp Gly Arg Lys Lys Lys Gln Glu Leu  
 290 295 300

Glu Ala Lys Gly Gly Gly Thr His Pro Leu Leu Val Pro Tyr Asp Thr  
 305 310 315 320

Leu Thr Ala Lys Glu Lys Ala Arg Asp Arg Glu Lys Ala Gln Glu Leu  
 325 330 335

Leu Lys Phe Leu Gln Met Asn Gly Tyr Ala Val Thr  
 340 345